CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.13/Steel/2018-19

06.04.2018

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West) ,** KRIDL, Bangalore
* Name of work	:	Improvements RCC drains and roads at Anjaneya temple Surrounding area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP Bangalore.
* Reference	:	BBMP/EE/DD/Wo/291/2017-18 Dated:17.03.2018
* Samples ID	:	12mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	06.04.2018

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	520	562	13.25	O.K	O.K

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

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⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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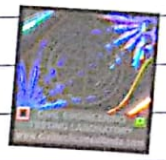
T-2377

Job No.:CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Cube/2018-19 07.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West)** , KRIDL, Bangalore
* Name of the work	:	Improvements RCC drains and roads at Anjaneya temple Surrounding area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP Bangalore.
* Reference	:	BBMP/EE/DD/Wo/291/2017-18 Dated:17.03.2018
* Sample ID	:	RCC Drain bed Slab concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	07.05.2018



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.04.2018	07.05.2018	8.116	478.8	21.28
2	09.04.2018	07.05.2018	8.250	503.2	22.36
3	09.04.2018	07.05.2018	8.330	525.1	23.34

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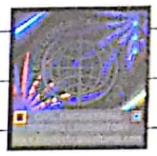

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.04.2018	07.05.2018	8.150	479.0	21.29
2	09.04.2018	07.05.2018	8.260	503.6	22.38
3	09.04.2018	07.05.2018	8.350	520.4	23.13

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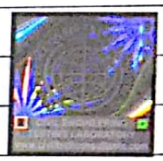

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2018	10.05.2018	8.200	480.3	21.35
2	12.04.2018	10.05.2018	8.270	499.6	22.20
3	12.04.2018	10.05.2018	8.300	525.3	23.35

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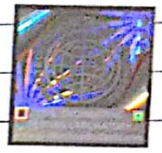

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.04.2018	10.05.2018	8.220	482.5	21.44
2	12.04.2018	10.05.2018	8.275	520.6	23.14
3	12.04.2018	10.05.2018	8.350	475.3	21.12

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